PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Freeman, et al.	) Group Art Unit: 2816
	)
Serial No: 09/760,531	) Examiner:
	)
Filed: January 16, 2001	) Attorney Docket No: 1693-81437
	)
For: BEAMFORMED ULTRASONIC	)
IMAGER WITH DELTA-SIGMA	)
FEEDBACK CONTROL	)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant submits herewith the following statements consisting of:

I.   A list of (i) patents and (ii) other publications (and attached form PTO 1449);

II.   General remarks.

A copy of each listed document is enclosed herewith.

I. (i) PATENTS

U.S. Patent No.	Date of Issue	Patentee(s)
3,946,320	03/23/76	Overbury
4,772,871	08/20/88	Suzuki, et al.
5,030,954	07/09/91	Ribner
5,144,308	09/01/92	Norsworthy
5,203,335	04/20/93	Noujaim, et al.
5,241,310	08/31/93	Tiemann
5,446,917	08/29/95	Krisciunas, et al.
5,461,389	10/24/95	Dean
5,477,859	12/26/95	Engeler
5,521,499	05/28/96	Goldenberg
5,668,777	09/16/97	Schneider

The PTO did not receive the following listed item(s) _NPL. NON-PATENT LITERATURE_

Applicant: Freeman, et al.
Serial No.:   09/760,531

I. (i) PATENTS

(foreign patents)

Document No.	Date	Country
62-22435	October 2, 1987	Japan

I. (ii) OTHER PUBLICATIONS

1.   Norman, O., *A Band-Pass Delta-Sigma Modulator for Ultrasound Imaging at 160 MHz Clock Rate*, 31(12) IEEE Journal of Solid-State Circuits 2036-41 (December, 1996)

2.   Baseri, R., et al., *Testing Adaptive Jamming Cancellation Algorithms Using a Digital Beamforming Array*, Proceedings of the 1997 IEEE National Radar Conference (May 13-15, 1997)

II. GENERAL REMARKS

It is respectfully requested that the above-listed patents and publications be given consideration by the Examiner and made of record in the subject patent application.
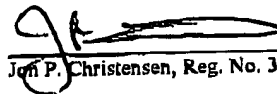
Respectfully submitted,

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April 4, 2001

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mai lin an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on this date: April 4, 2001

Jon P. Christensen, Reg. No. 34,137

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Form PTO-1449 (Rev. 8-88)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 1693-81437	Serial No. 09/760,531
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Freeman, et al.	
		Filing Date January 16, 2001	Group No.

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		3,946,320	03/23/76	Overbury	325	470	
		4,772,871	08/20/88	Suzuki, et al.	341 375	155 28, 33	
		5,030,954	07/09/91	Ribner	341 375	172, 143 29, 33	
		5,144,308	09/01/92	Norsworthy	341	131	
		5,203,335	04/20/93	Noujaim, et al.	128 73	661.01 625	
		5,241,310	08/31/93	Tiemann	341	143, 139	
		5,446,917	08/29/95	Krisciunas, et al.	395	800	
		5,461,389	10/24/95	Dean	342	375, 372, 154	
		5,477,859	12/26/95	Engeler	128 73	661.01 626	
		5,521,499	05/28/96	Goldenberg	327	237	
		5,668,777	09/16/97	Schneider	367 367 114	96, 103, 135 20.1	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	No
		62-224345	10/02/87	Japan	A61 B	17/36		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Norman, O., *A Band-Pass Delta-Sigma Modulator for Ultrasound Imaging at 160 MHz Clock Rate*,
	31(12) IEEE Journal of Solid-State Circuits 2036-41 (December, 1996)
	Baseri, R., et al., *Testing Adaptive Jamming Cancellation Algorithms Using a Digital Beamforming Array*,
	Proceedings of the 1997 IEEE National Radar Conference (May 13-15, 1997)

Examiner	Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.